

AMENDMENTS TO THE CLAIMS

Please amend and add the claims to read as follows:

1. (Original) A method for three-dimensional printing of a three-dimensional model, said method comprising:  
selectively dispensing a first interface material and a second interface material from a printing head, said first interface material and said second interface material being different;  
each of said first interface material and said second interface material comprising photopolymer materials.
2. (Currently amended) A method according to claim 1, wherein one of said first interface material and said second interface material includes reactive acrylates and is curable by the application of radiation.
3. (Original) A method according to claim 1, comprising ejecting said first interface material and said second interface material in a given layer in different mix formulations to form a specified type of material.
4. (Original) A method according to claim 1, comprising curing said first and second interface materials using radiation, said radiation being any one of a group including ultra-violet radiation, infra-red radiation and E-beam.
5. (Currently amended) A method according to claim 3, wherein one of said mix [[formulation]] formulations of said first interface material and said second interface material forms a model layer.
6. (Currently amended) A method according to claim 3, wherein said mix formulation of said first interface material and said second interface material forms a support layer.

APPLICANT(S): GOTHAIT, Hanan et al.  
SERIAL NO.: 10/724,399  
FILED: December 1, 2003  
Page 3

7. (Currently amended) A method according to claim 3, wherein one of said mix [[formulation]] formulations of said first interface material and said second interface material forms a release layer.
8. (Currently amended) A system for three-dimensional printing of a three-dimensional model, said system comprising:
  - a printing head for selectively dispensing a first interface material and a second interface material, said first interface material and said second interface material being different;
  - each of said first interface material and said second interface material comprising photopolymer material [[materials]]; and
  - a source of radiation for curing of at least one of said interface materials.
9. (Currently amended) A system according to claim 8, wherein at one of said first interface material and said second interface material includes reactive acrylates.
10. (Original) A system according to claim 8, wherein said printing head is an ink-jet printing head.
11. (Original) A system according to claim 8, wherein said second interface material is curable.
12. (Original) A system according to claim 8, wherein said first interface material and said second interface material are ejected in a given layer in different mix formulations to form different types of materials.
13. (Currently amended) A system according to claim 8, wherein said radiation is [any one of a group including] selected from a group consisting of ultra-violet radiation, infra-red radiation and E-beam.

14. (Currently amended) A system according to claim 12, wherein said mix  
[[formulation]] formulations of said first interface material and said second interface material  
[[forms a model layer]] form model layers.
15. (Currently amended) A system according to claim 12, wherein said mix  
[[formulation]] formulations of said first interface material and said second interface material  
[[forms a support layer]] form support layers.
16. (Currently amended) A system according to claim 12, wherein said mix  
[[formulation]] formulations of said first interface material and said second interface material  
[[forms a release layer]] form release layers.
17. (New) A method for three-dimensional printing of a three-dimensional component,  
said method comprising:  
selectively dispensing a first interface material and a second interface material from at  
least one printing head, said first interface material and said second interface material being  
different;  
wherein at least one of said first interface material and said second interface material  
comprises a photopolymer material including reactive acrylates.
18. (New) A method according to claim 17, wherein said first interface material and said  
second interface material are dispensed by one or more inkjet printing heads.
19. (New) A method according to claim 17, further comprising curing said photopolymer  
material using radiation.
20. (New) A method according to claim 17, further comprising curing said first interface  
material and said second interface material using radiation.

21. (New) A method according to claim 19, wherein said radiation is selected from a group consisting of ultra-violet radiation, infra-red radiation and E-beam.
22. (New) A method according to claim 20, wherein said radiation is selected from a group consisting of ultra-violet radiation, infra-red radiation and E-beam.
23. (New) A method according to claim 17, wherein said photopolymer material forms the three-dimensional component.
24. (New) A method according to claim 17, wherein said photopolymer material forms a model layer.
25. (New) A method according to claim 17, wherein said photopolymer material forms at least part of a support layer.
26. (New) A system for three-dimensional printing of a three-dimensional component, said system comprising:
  - at least one printing head for selectively dispensing a first interface material and a second interface material, said first interface material and said second interface material being different;
  - wherein at least one of said first interface material and said second interface material comprises a photopolymer material including reactive acrylate; and
  - a source of radiation for curing at least one of said first interface material and second interface material.
27. (New) A system according to claim 26, wherein said at least one printing head is an ink-jet printing head.
28. (New) A system according to claim 26, wherein said first interface material and said second interface material are ejected in a given layer in different mix formulations.

APPLICANT(S): GOTHAIT, Hanan et al.  
SERIAL NO.: 10/724,399  
FILED: December 1, 2003  
Page 6

29. (New) A system according to claim 28, wherein said mix formulations form different types of material.
30. (New) A system according to claim 28, wherein said mix formulations form a model layer.
31. (New) A system according to claim 28, wherein said mix formulations form a support layer.
32. (New) A system according to claim 28, wherein said mix formulations form a release layer.
33. (New) A system according to claim 26, wherein said radiation is selected from a group consisting of ultra-violet radiation, infra-red radiation and E-beam.